

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1586761

Luminaire Tested: 22CZSP-A-57HE-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2601-668-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-A-57HE-L850
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5700 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

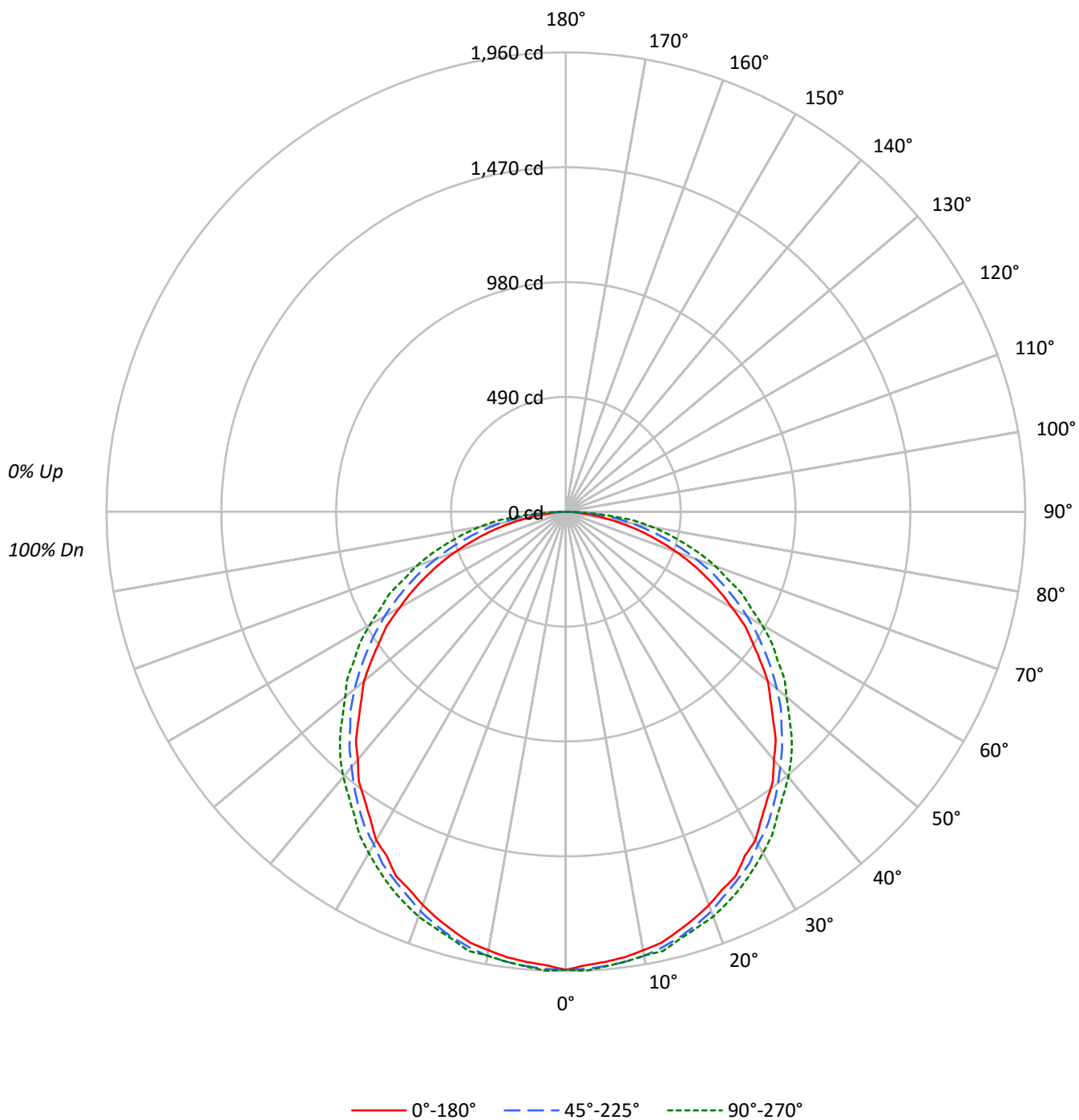
Lumens per Lamp: N/A
Luminaire Lumens: 5756.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89
2	98	90	82	76	95	88	81	76	84	79	74		81	76	72		78
3	89	78	70	63	87	77	69	63	74	67	62		71	65	60		68
4	82	69	60	53	79	68	59	53	65	58	52		63	57	51		61
5	75	62	53	46	73	61	52	46	58	51	45		56	50	44		55
6	69	56	46	40	67	55	46	40	53	45	39		51	44	39		49
7	64	50	41	35	62	49	41	35	48	40	35		46	40	34		45
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		41
9	56	42	34	28	54	41	34	28	40	33	28		39	33	28		38
10	52	39	31	25	51	38	31	25	37	30	25		36	30	25		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6119	6119	6119
5°	6060	6115	6121
10°	6040	6119	6113
15°	6004	6090	6113
20°	5949	6043	6125
25°	5925	5986	6107
30°	5850	5927	6079
35°	5727	5889	6023
40°	5642	5815	6038
45°	5535	5761	6035
50°	5480	5729	5987
55°	5305	5651	6017
60°	5127	5590	6053
65°	4905	5505	6157
70°	4610	5400	6222
75°	4153	5304	6347
80°	3397	5206	6762
85°	2213	5188	6327

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 7096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	3.2
10°-20°	528.9	9.2
20°-30°	799.4	13.9
30°-40°	964.1	16.8
40°-50°	1007.9	17.5
50°-60°	929.5	16.1
60°-70°	736.5	12.8
70°-80°	460.5	8.0
80°-90°	144.4	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1513.0	26.3
0°-40°	2477.2	43.0
0°-60°	4414.6	76.7
0°-90°	5756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1928	1937	1945	1952	1947	183
15°	1852	1861	1878	1891	1886	523
25°	1715	1710	1732	1757	1768	786
35°	1498	1516	1540	1567	1576	940
45°	1250	1268	1301	1334	1363	967
55°	972	995	1035	1092	1102	871
65°	662	690	743	801	831	656
75°	343	372	438	500	525	362
85°	62	88	144	169	176	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1954.2	1954.2	1954.2	1954.2	1954.2
2.5°	1936.6	1945.4	1952.5	1950.7	1959.5
5°	1927.8	1936.6	1945.4	1952.5	1947.2
7.5°	1917.2	1926.0	1936.6	1947.2	1936.6
10°	1899.6	1904.9	1924.3	1926.0	1922.5
12.5°	1883.8	1889.1	1903.2	1915.5	1919.0
15°	1852.1	1860.9	1878.5	1890.8	1885.6
17.5°	1820.4	1832.7	1848.6	1860.9	1860.9
20°	1785.2	1794.0	1813.4	1822.2	1838.0
22.5°	1744.7	1755.3	1771.1	1795.8	1804.6
25°	1714.8	1709.5	1732.4	1757.0	1767.6
27.5°	1654.9	1662.0	1693.7	1716.5	1725.3
30°	1617.9	1621.5	1639.1	1670.8	1681.3
32.5°	1552.8	1563.4	1595.1	1617.9	1637.3
35°	1498.2	1515.8	1540.5	1566.9	1575.7
37.5°	1450.7	1454.2	1482.4	1517.6	1524.6
40°	1380.3	1401.4	1422.5	1466.5	1477.1
42.5°	1325.7	1336.3	1366.2	1408.4	1424.3
45°	1250.0	1267.6	1301.0	1334.5	1362.7
47.5°	1183.1	1200.7	1244.7	1287.0	1292.2
50°	1125.0	1132.0	1176.1	1223.6	1228.9
52.5°	1045.8	1063.4	1105.6	1158.4	1176.1
55°	971.8	994.7	1035.2	1091.5	1102.1
57.5°	906.7	917.2	964.8	1021.1	1042.2
60°	818.7	848.6	892.6	947.2	966.5
62.5°	743.0	771.1	818.7	869.7	890.8
65°	662.0	690.1	743.0	801.1	831.0
67.5°	584.5	607.4	670.8	730.6	744.7
70°	503.5	529.9	589.8	651.4	679.6
72.5°	419.0	448.9	515.8	573.9	603.9
75°	343.3	371.5	438.4	500.0	524.6
77.5°	264.1	295.8	360.9	422.5	450.7
80°	188.4	220.1	288.7	350.4	375.0
82.5°	121.5	154.9	220.1	274.6	295.8
85°	61.6	88.0	144.4	169.0	176.1
87.5°	19.4	31.7	49.3	56.3	56.3
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.82	19.49	18.18	19.80	20.11	18.61	20.27	18.97	20.59	20.90
	3H	19.60	21.11	19.98	21.44	21.80	20.75	22.26	21.13	22.59	22.95
	4H	20.24	21.67	20.63	22.01	22.39	21.68	23.10	22.07	23.45	23.82
	6H	20.66	21.99	21.07	22.35	22.74	22.50	23.83	22.91	24.19	24.58
	8H	20.78	22.04	21.20	22.43	22.83	22.85	24.12	23.27	24.50	24.90
	12H	20.83	22.05	21.26	22.43	22.86	23.09	24.31	23.52	24.69	25.12
4H	2H	18.59	20.02	18.99	20.37	20.74	19.20	20.63	19.60	20.98	21.35
	3H	20.60	21.80	21.01	22.20	22.60	21.59	22.79	22.00	23.19	23.59
	4H	21.36	22.45	21.79	22.87	23.30	22.68	23.77	23.11	24.18	24.62
	6H	21.91	22.87	22.36	23.31	23.76	23.68	24.63	24.13	25.07	25.53
	8H	22.06	22.96	22.52	23.40	23.87	24.10	25.00	24.56	25.44	25.91
	12H	22.15	22.96	22.63	23.44	23.90	24.42	25.23	24.89	25.70	26.17
8H	4H	21.84	22.74	22.30	23.18	23.64	22.98	23.88	23.44	24.32	24.79
	6H	22.53	23.28	23.02	23.77	24.24	24.15	24.90	24.64	25.39	25.86
	8H	22.76	23.43	23.27	23.94	24.42	24.69	25.37	25.20	25.87	26.36
	12H	22.91	23.50	23.41	23.99	24.55	25.12	25.72	25.63	26.21	26.77
12H	4H	21.94	22.75	22.42	23.22	23.69	23.01	23.82	23.49	24.30	24.76
	6H	22.68	23.36	23.19	23.86	24.34	24.21	24.88	24.71	25.39	25.87
	8H	22.98	23.58	23.49	24.07	24.63	24.82	25.42	25.33	25.91	26.47